



Prato Svelto



FERRACIN
GROUP

PLASTIC SYSTEMS FOR THE
BUILDING INDUSTRY



Prato Svelto

PRATO SVELTO is the technical solution for ground consolidation. It is a grass paving system that enables water drainage and is suitable for vehicles.



Features and Advantages

PRATO SVELTO, consists of high-density polyethylene modules in a honeycomb design. It is a "green concept" that respects the environment, to create car parks, alleys, driveways and parking areas.

Green areas in urban centres have a specific purpose that goes beyond the aesthetic and recreational. These areas, unlike those paved with concrete, asphalt or other impermeable systems, allow the natural infiltration of rainwater into the soil, thereby mitigating the phenomena of flooding that occurs more and more often in our cities.

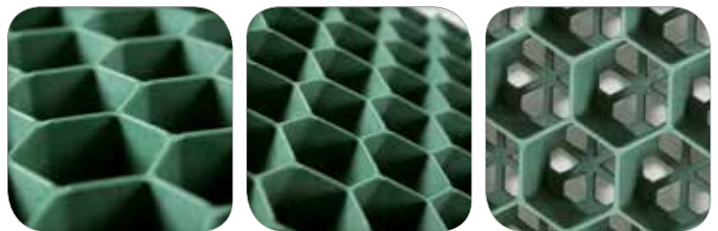
In addition, the possible use of grassy areas in urban centres, allows the creation of green spaces, natural habitats for insects and small animals.

With **PRATO SVELTO** the ground is consolidated into a lawn that can be immediately used by vehicles and that requires only normal care.

The area covered in grass in **PRATO SVELTO** is approximately 90% and the whole area contributes to the drainage of rainwater.

PRATO SVELTO allows high values of resistance to compression depending on the type of underlying soil, the substrate and their relative thicknesses.

PRATO SVELTO is not attacked by micro-organisms in the soil or by chemical substances and / or fertilisers used for the growth and care of the lawn. Furthermore, by virtue of the HDPE material it is made of, it is also resistant to changes in temperature, wear and tear caused by the weather and is stable to UV exposure.



Accessories

A coloured "STAR" signalling element can be inserted into the cells of the grid, to mark off parking or other areas. The "PIASTRELLA" paving system, also produced by us, allows the construction of pedestrian pathways or bicycle lanes adjacent to the paving with the Prato Svelto.



Applications

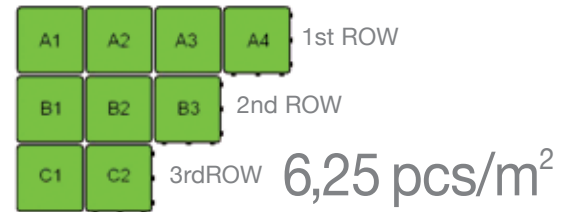
- car parks and rest areas
- crossings and pathways subject to vehicular traffic
- fairways on golf courses
- cycle lanes and pedestrian paths
- paths and green areas of swimming pools and sports centres, hospitals, etc.
- playgrounds
- lay-bys and trailer and camper storage areas
- helicopter landing pads
- transit areas for emergency vehicles
- trade fair and exhibition areas.

Installation

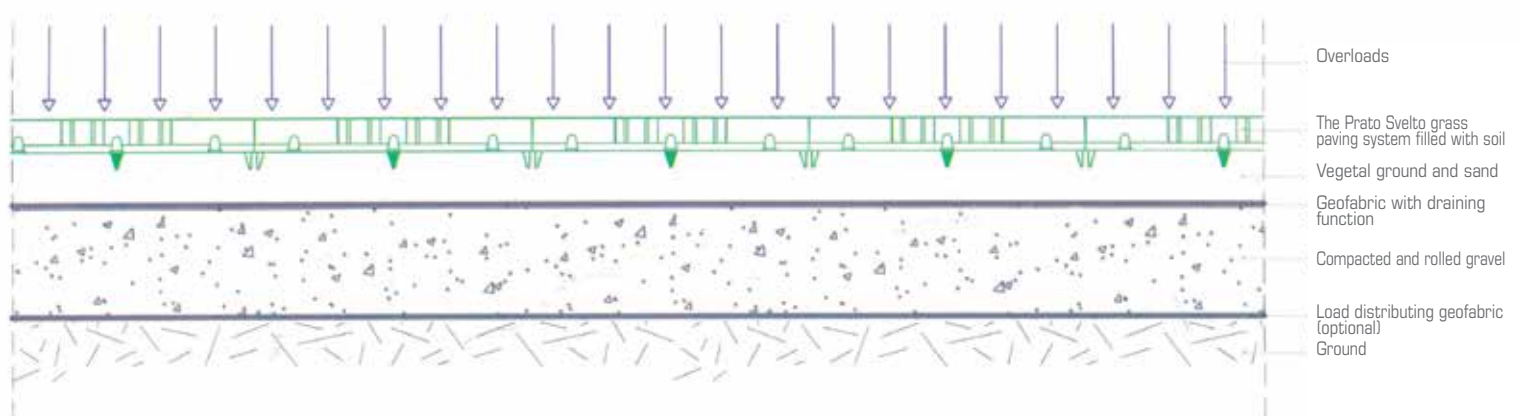
Installation is simple and requires no skilled labour. **PRATO SVELTO** is lightweight and has an interlocking system which not only ensures a quick and accurate installation, but also compensates, in part, the natural linear expansion of the element. **PRATO SVELTO** should be laid in horizontal lines from left to right, starting from the top (A1) to the bottom (C1). The snap hooks on two sides, should be directed to the right and down (see photo 1).

To get a better final result it is advisable to:

- **perfectly level the installation surface;**
- **provide for perimeter expansion joints**, spacing the installation of curbs, pavements, walls by a few centimetres;
- **provide for central expansion joints**, in the case of large surfaces, by not attaching one module to the next, leaving a space of about 3 cm for every 10 linear metres;
- **square the surface** about every 10 m², again in case of extended surfaces to be covered.



Picture below: Example of stratigraphy. For each application the stratigraphy should be specifically studied in relation to the intended use.



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Technical Details

TECHNICAL CHARACTERISTICS

Base cm	Height cm	Material	Weight kg / pc	Resistance to compression tons / m ² *	Packaging Wooden pallet (cm)	No. of pieces Pallet	No. m ² Pallet	Weight Pallet / kg
40 x 40	4.8	Recycled HDPE	1.000	106	120 x 80 x 250	300	48	310

* Test Report No. 23845 Università degli Studi di Brescia

COLOURS

GREEN	for grassed pavements
GREY	to be filled with gravel
SAND	to be filled with gravel

NB: since this is a recycled material, slight variations of colour tones are possible

ELEMENTS FOR THE DESCRIPTION OF ITEM SPECIFICATION

- Supply and installation of acm layer of gravel of which will be rolled and compacted
- Supply and installation of a mm sheet of non-woven fabric, if necessary
- Supply and installation of a layer of fine sand mixed with soil.
- Supply and installation of alveolar PRATO SVELTO modules made of recycled HDPE, size 40 cm x 40 cm in plan and height 4.8. cm
- Filling to the top of the PRATO SVELTO alveolar modules with soil and sand or fine gravel, according to requirements.
- Watering to encourage the natural fall of the soil.
- Topping up with the same material used previously.
- Sewing, fertilizing and first watering.

COST ANALYSIS OF "PRATO SVELTO"

Items	Units	Quantity	Price	Price
	of measurement	per m ²	per unit	total
Supply of PRATO SVELTO 40 x 40 x 4.8 cm	m ²	1		
Dry laying of PRATO SVELTO on the subbase	Hours	0,02		
total price € / mq				

Product specifications and data sheets available on our website www.ferracingroup.it



PRATO SVELTO is produced with recycled plastic material resulting from plastic scrap post-consumer and industrial waste. The use of recycled materials saves a lot of emission, just think that for every kg of recycled plastic saves 1.5 kg of CO₂.

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